bs-7517R

- DATASHEET -

## [ Primary Antibody ]

## Natriuretic Peptide Receptor A Rabbit pAb



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Host:	Rabbit	Isotype: IgG	Applicatio
Clonality:	Polyclonal		
GenelD:	4881	SWISS: P16066	
Target:	Target: Natriuretic Peptide Receptor A		
Immunogen:	: KLH conjugated synthetic peptide derived from human Natriuretic Peptide Receptor A: 261-360/1061. < Extracellular >		
Purification:	affinity purified by Protein A		Predic
Concentration:	1mg/ml		м
Storage:	0.01M TBS (pH7.4) with 1% BS/ Glycerol. Shipped at 4°C. Store at -20°C f freeze/thaw cycles.	A, 0.02% Proclin300 and 50% For one year. Avoid repeated	Subcellı Locati
<b>Background:</b> Guanylyl cyclases, catalyzing the production of cGMP from GTP, are classified as soluble and membrane forms (Garbers and Lowe, 1994 [PubMed 7982997]). The membrane guanylyl cyclases, often termed guanylyl cyclases A through F, form a family of cell-surface receptors with a similar topographic structure: an extracellular ligand-binding domain, a single membrane-spanning domain, and an intracellular region that contains a protein kinase-like domain and a cyclase catalytic domain. GC-A and GC-B function as receptors for natriuretic peptides; they are also referred to as atrial natriuretic peptide receptor A (NPR1) and type B (NPR2; MIM 108961). Also see NPR3 (MIM 108962), which encodes a protein with only the ligand-binding transmembrane and 37-amino acid cytoplasmic domains. NPR1 is a membrane-bound guanylate cyclase that serves as the receptor for both atrial and brain natriuretic peptides (ANP (MIM 108780) and BNP (MIM 600295), respectively).[supplied by OMIM, May 2009]			

## VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer ; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Natriuretic Peptide Receptor A Polyclonal Antibody, Unconjugated (bs-7517R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Duodenum ; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Natriuretic Peptide Receptor A Polyclonal Antibody, Unconjugated (bs-7517R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

## - SELECTED CITATIONS -

• [IF=2.9] Derya Karabulut. et al. Effect of chronic sustained hypoxia on NPR-A, NPR-B, MAP-2 and GFAP expressions in cerebral cortex and hippocampus..NEUROSCIENCE.2025 Mar 22:573:237-243. IF; Rat. 40127756

ons: IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ity: Human, Mouse (predicted: Rat)

> ted W.: 113 kDa

ular Cell membrane